

Fig.1

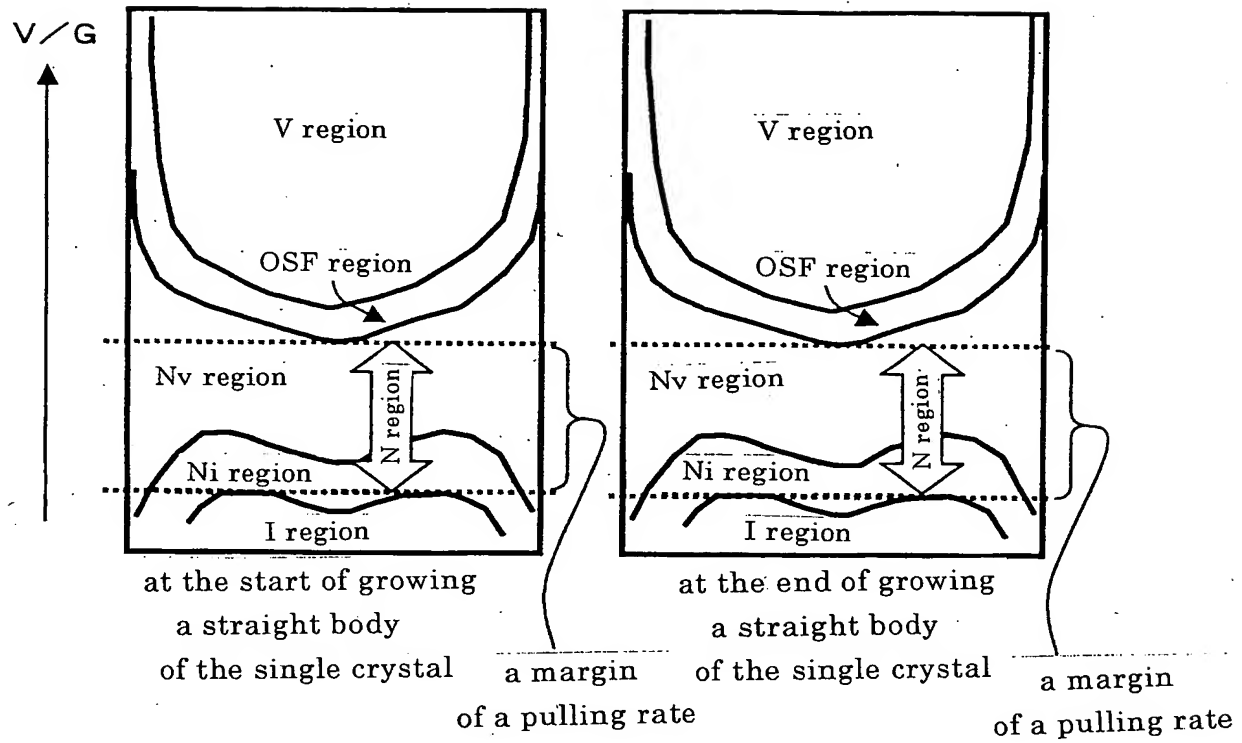


Fig.2

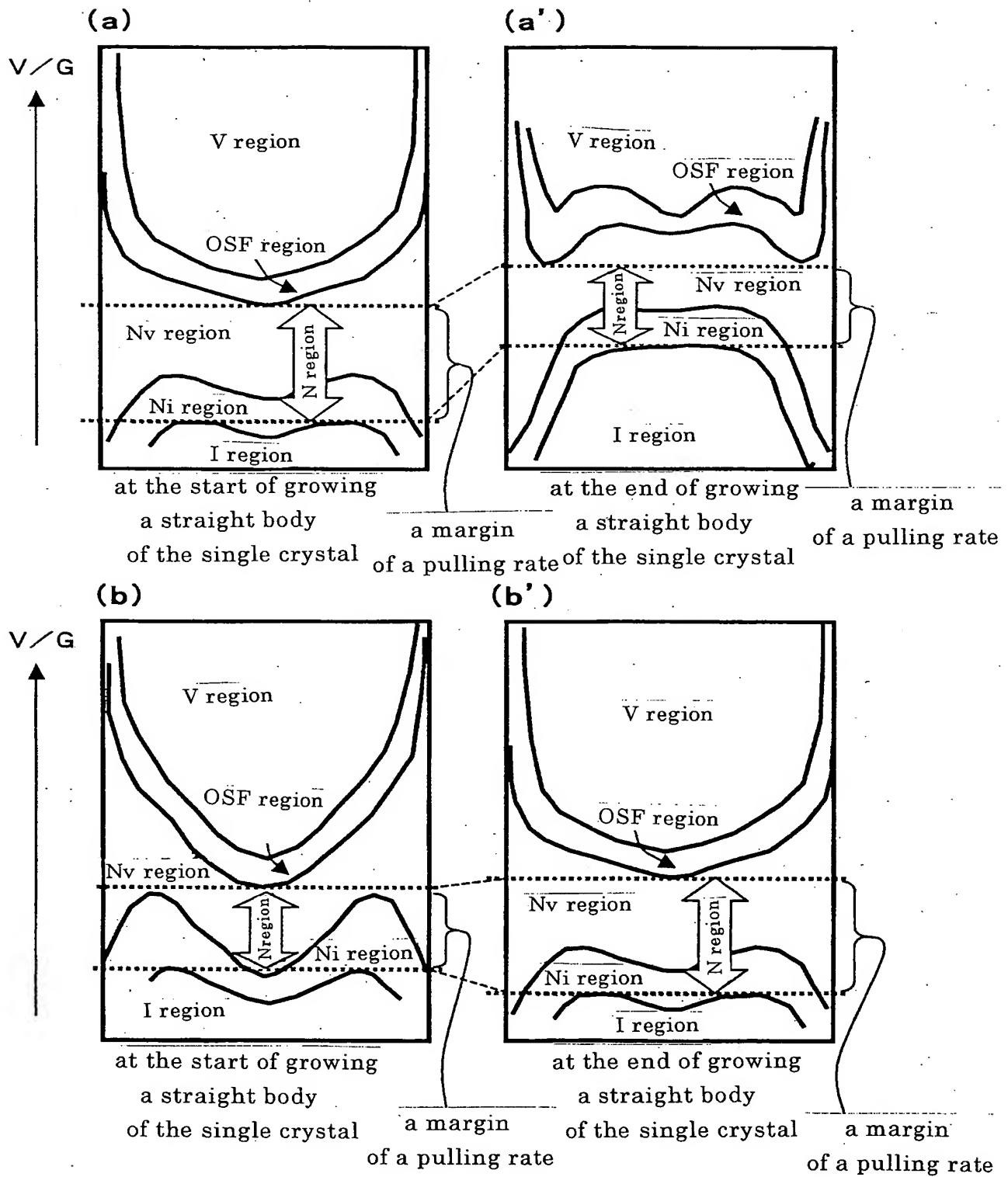
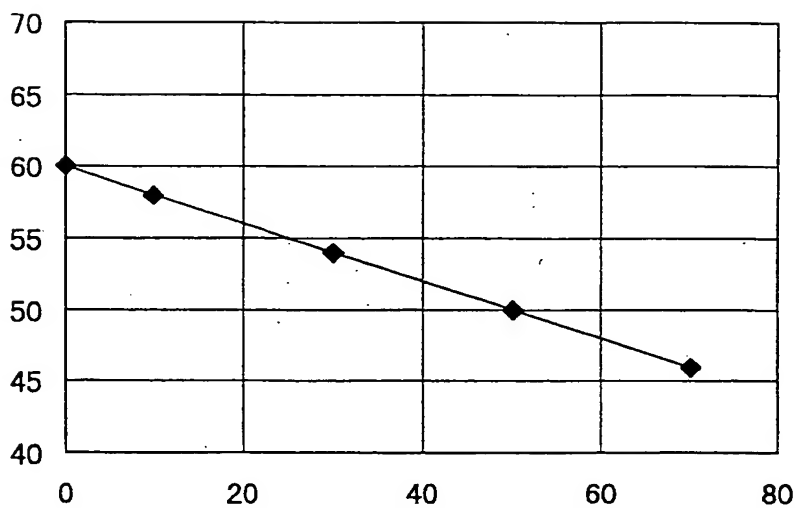


Fig.3

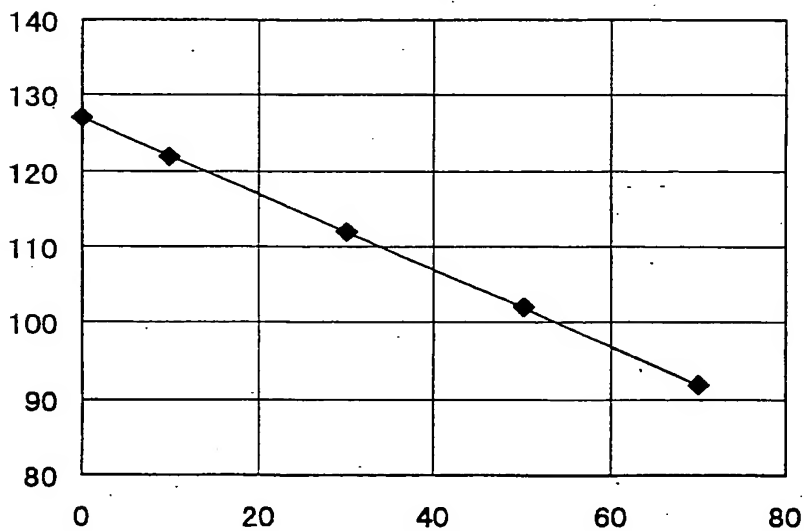
a distance L1 between a surface
of a raw material melt
and a heat insulating member (mm)



a solidification ratio S of the single crystal (%)

Fig.4

a relative position L2 between a heating center
of a heater and a surface of a raw material melt (mm)



a solidification ratio S of the single crystal (%)

Fig.5

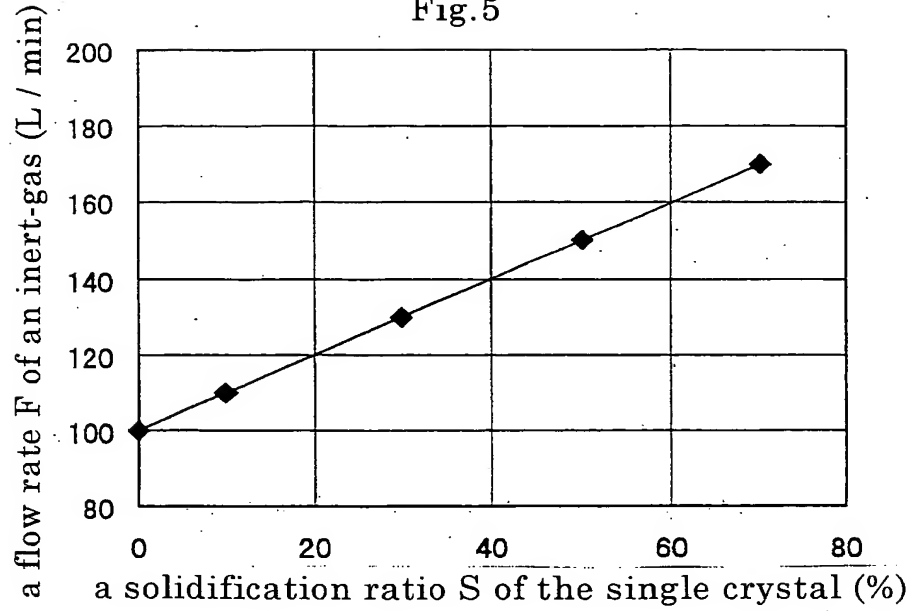


Fig.6

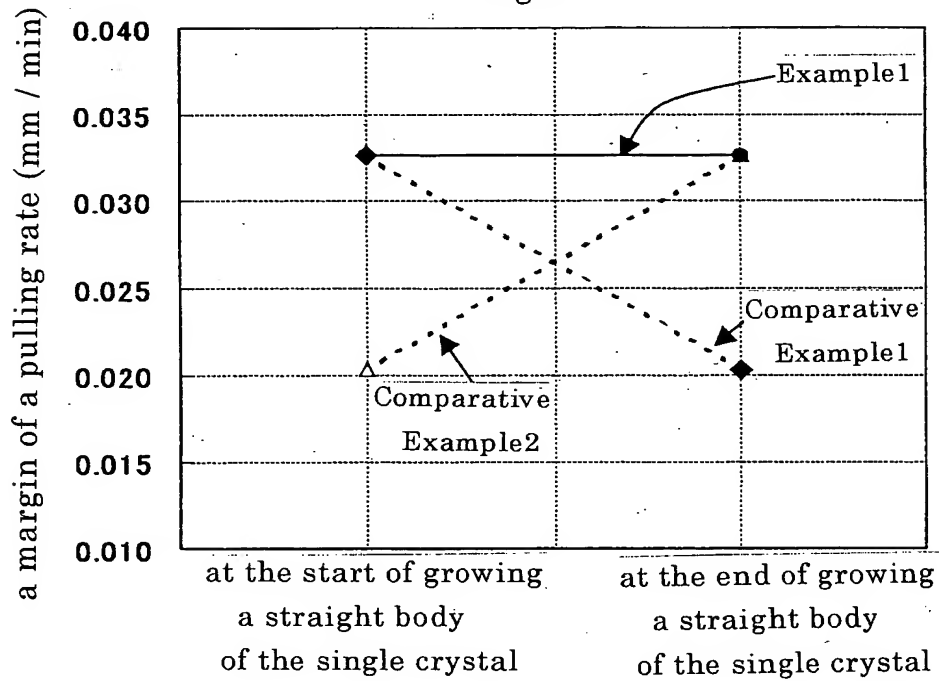


Fig.7

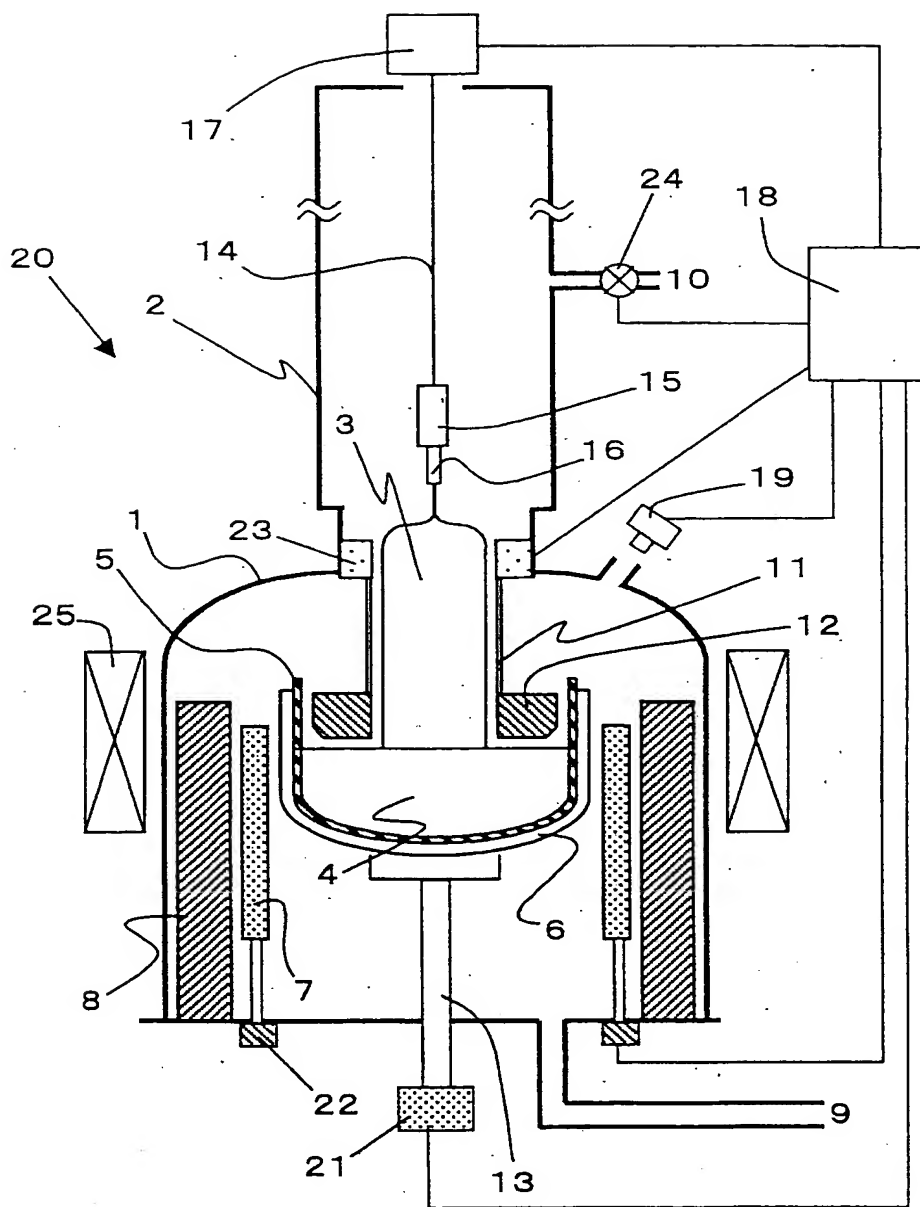


Fig.8

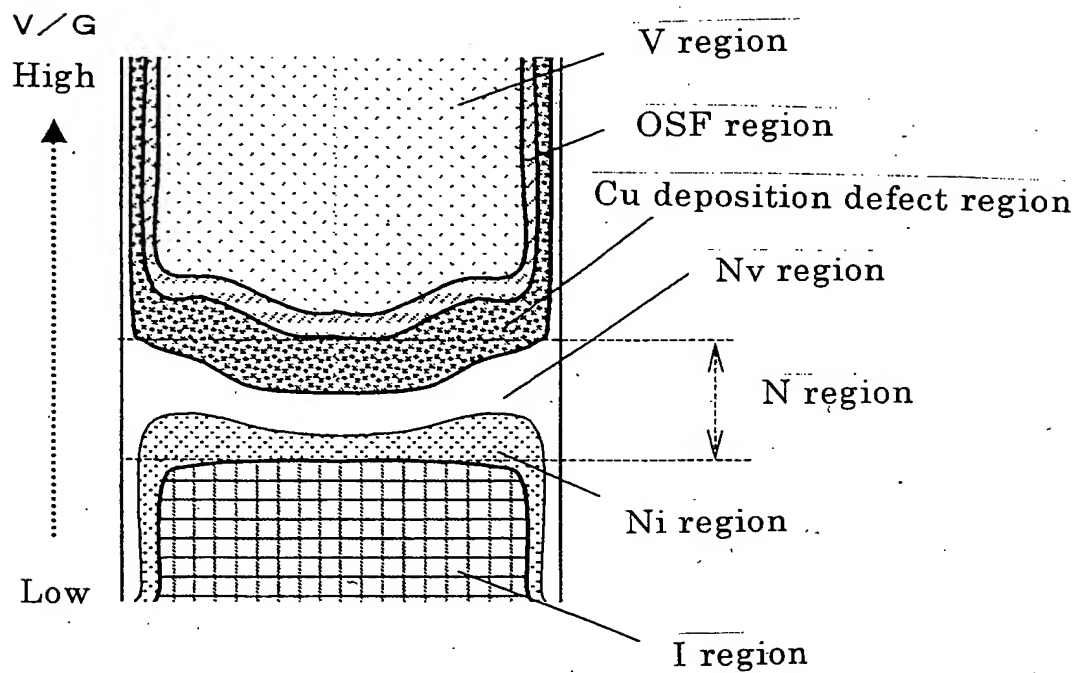


Fig.9

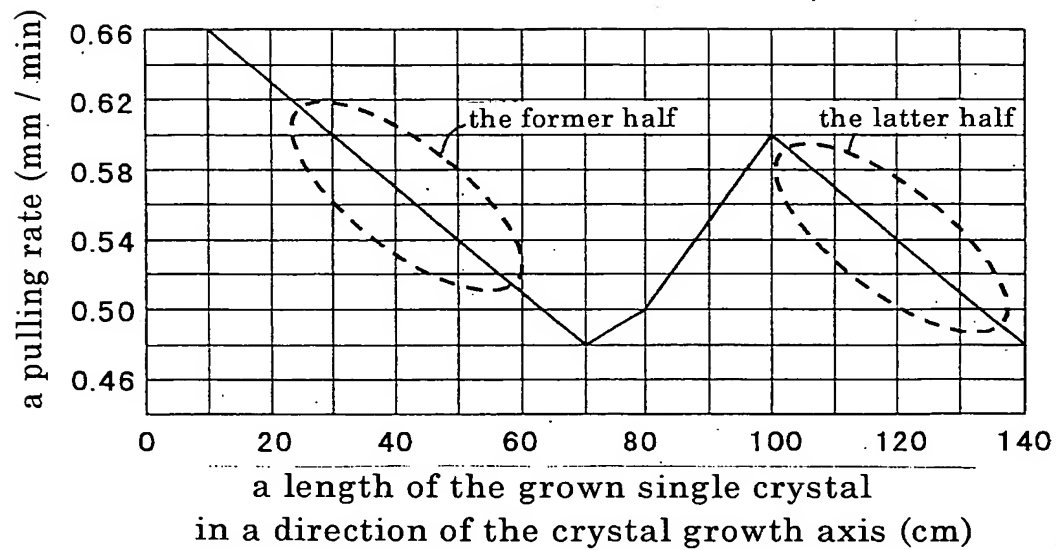


Fig.10

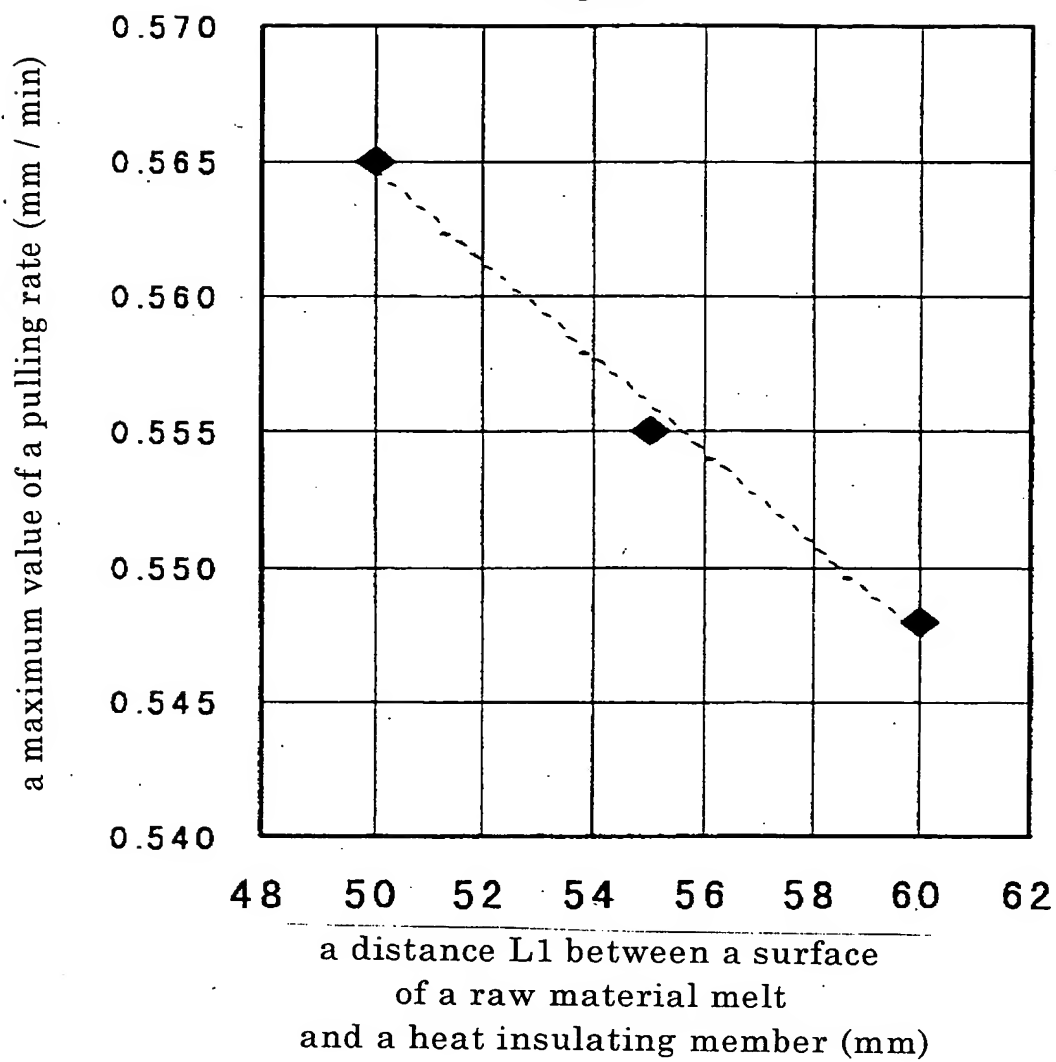


Fig.11

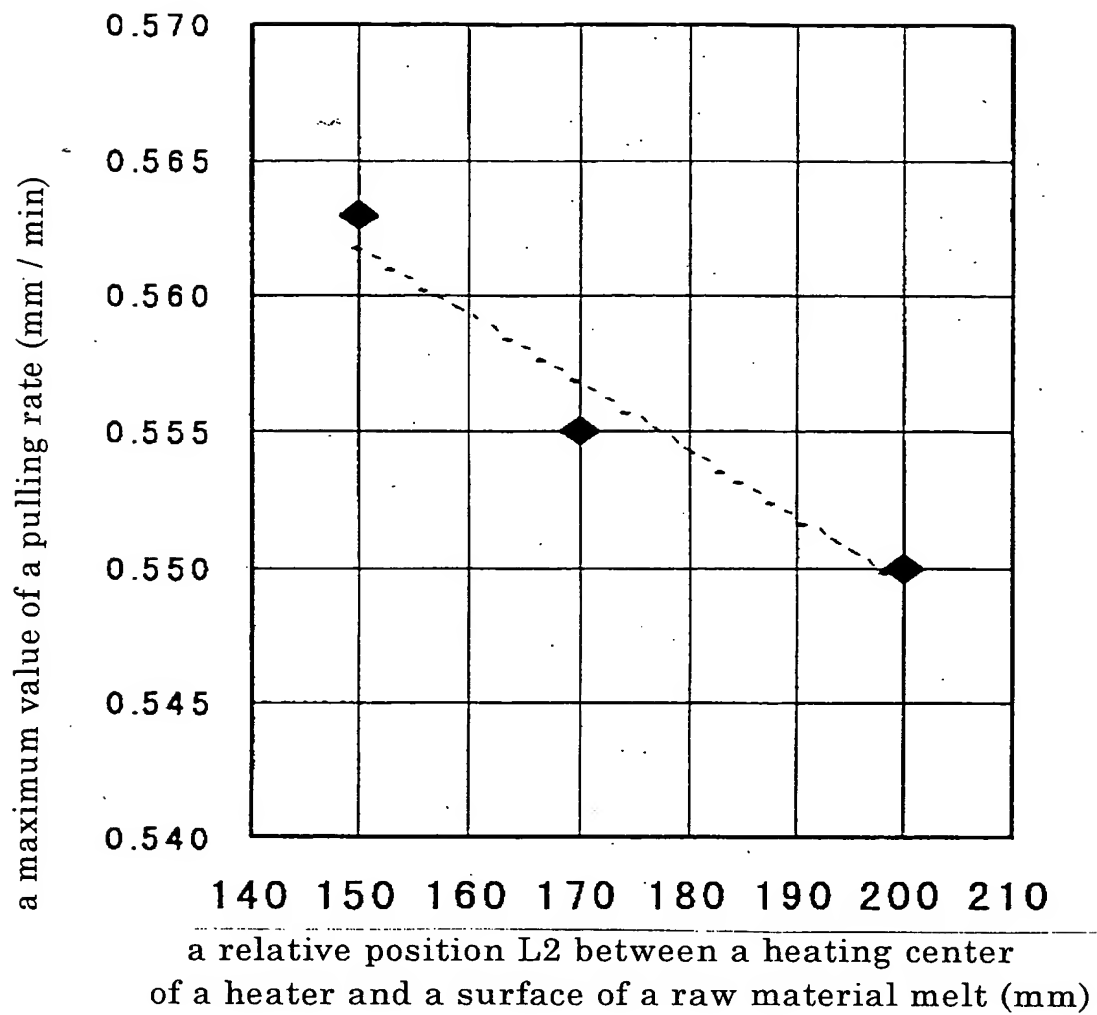


Fig.12

